Preface

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Preface

This volume contains the papers presented at the *Third International Workshop on Developments in Computational Models* (DCM) held in Wroclaw, Poland on July the 15th, as a satellite event of ICALP 2007.

Preceding editions of DCM were held in Venice (2006) and Lisbon (2005), also as satellite events of ICALP.

The DCM series focuses on new computational models and media such as:

- quantum computation and formal methods in quantum protocols;
- probabilistic computation and verification in modelling situations;
- chemical, biological and bio-inspired computation, including concurrent protein interaction models developed in the description of intra- and extra-cellular signalling, and spatial models (as in development, or self-assembly) including membrane computing models;
- concurrent models including the treatment of mobility, trust, and security.

As progress is made, one wishes to clarify the relation in which these models and media stand to the time proven concepts of semantics, computability, and complexity theory. This broad need for logic engineering also comes with challenging new algorithmic and complexity questions. Bringing those efforts together can only result in inspirational cross-boundary exchanges, and innovative further research.

For DCM 2007, the Programme Committee selected 10 papers out of 19 for presentation at the workshop. Six of these papers—covering a wide range of the topics—were subsequently submitted, refereed and revised for inclusion in these proceedings.

The Programme Committee consisted of:

- Jos Baeten (Eindhoven University of Technology)
- Michele Bugliesi (Universita Ca Foscari)
- Alessandra Carbone (Université Pierre et Marie Curie)
- Vincent Danos (Edinburgh University & CNRS)
- Mariangiola Dezani (Universita di Torino)

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- Jean-Louis Giavitto (Université d'Evry & CNRS)
- Elham Kashefi (Oxford University)
- Ian Mackie (École Polytechnique)
- Pasquale Malacaria (Queen Mary University of London)
- Corrado Priami (Universita di Trento)
- Vladimiro Sassone (University of Southampton)

We would like to thank all those who contributed to DCM 2007. We are grateful to the Programme Committee members for their careful and efficient work in reviewing and selecting the submitted papers.

Vincent Danos
Mariangiola Dezani